* 1. **Create Designs**

Name:\_\_\_\_\_\_\_\_\_\_\_\_ Date:\_\_\_\_\_\_\_\_\_\_\_\_

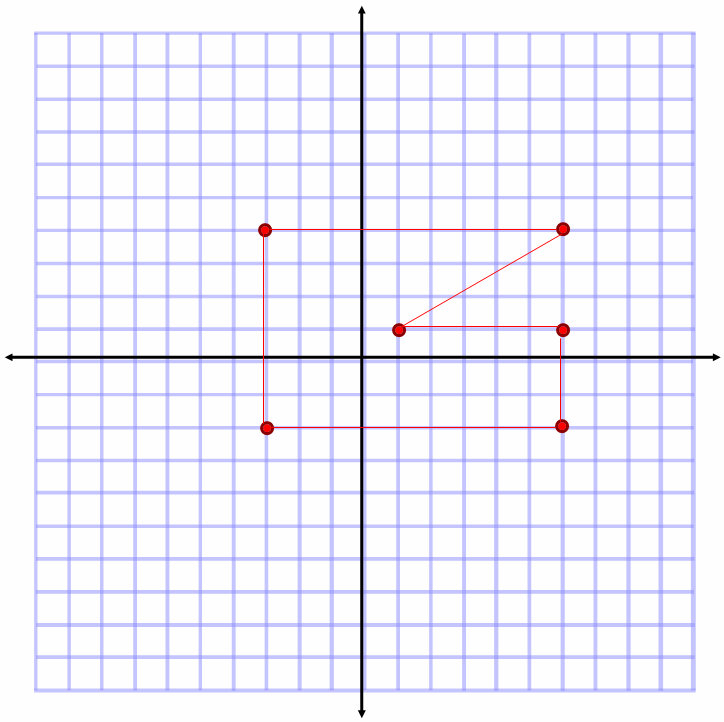
**Lesson Focus: Mathletes will learn how to create designs and identify the coordiates used to make the design. Mathletes will also be able to identify the coordinates of the vertices of a 2D shape**

DID YOU KNOW….

* The vertices of a shape are the points where two sides of a figure meet

(memory aide – peace baby! V for vertices)

* Each vertex of a shape on a Cartesian plane should be represented by a different letter (label with capital letters)



Plot the following points and connect them:

E (2, 5)

F (2, 2)

G (5, 2)

H (5, -2)

I (2, -2)

J (2, -5)

K (-2, -5)

L (-2, -2)

M (-5, -2)

N (-5, 2)

P (-2, 2)

Q (-2, 5)

Create your own groovy design below using 10 points. Label the vertices with capital letters and write the coordinate in brackets beside each letter.



With a partner, take turns reading your coordinates aloud to each other. Do not look at the other person’s design….just listen to their lovely voice read the coordinates and plot their design on the Cartesian Plane below. When you are done…check to see if your partner was able to accurate recreate your design!

Awesome design created by:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_(partner’s name)

